

*ABSTRACT AMENDMENTS*

Replace the Abstract with:

~~The present invention includes~~ In a control apparatus for a rotating machine, an integration unit (11) ~~that~~ integrates a primary angular frequency ~~applied~~ based on an angular velocity command; and ~~that~~ computes a phase, a power converting unit (14) ~~that~~ applies three-phase voltages to ~~a~~ the rotating machine (1) according to ~~three-phase three-phase~~ voltage commands, a current detecting unit (15) ~~that~~ detects ~~three-phase three-phase~~ currents ~~carried flowing through~~ to the rotating machine, a coordinate converting unit (13) ~~that~~ ~~conducts a coordinate conversion of converting~~ converts the currents detected by the current detecting unit into currents on ~~a rotation~~ rotating two-axis ~~coordinate~~ coordinates based on the phase output ~~from~~ by the integration unit (11); and ~~of converting~~ converts voltage commands on the ~~rotation~~ rotating two-axis coordinates into the ~~three-phase three-phase~~ voltage commands, and a voltage command computing unit (12) ~~that~~ computes the voltage commands ~~on the rotation two-axis coordinate~~ based on the absolute value of deviations of the primary angular frequency and the current ~~on~~ components along each of the ~~rotation~~ rotating two-axis ~~coordinate~~ coordinates. ~~The voltage command computing unit (12) computes the voltage commands on the rotation two-axis coordinate based on absolute values of respective axis current components on the rotation two-axis coordinate. It is therefore possible to make a current transient response when a load torque increases coincide with a current transient response when the load torque decreases as long as the load torque is at an equal operating point.~~